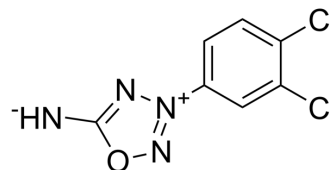


## GEA 3162

Cat. No.:	HY-120314
CAS No.:	144576-10-3
Molecular Formula:	C <sub>7</sub> H <sub>4</sub> Cl <sub>2</sub> N <sub>4</sub> O
Molecular Weight:	231.04
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	GEA 3162, oxatriazol derivative, is a NO-releasing compound. GEA 3162 can be used for the research of Inflammation diseases <sup>[1]</sup> .
<b>In Vitro</b>	<p>GEA 3162 (1-100 μM) inhibits Ca ionophore A23187-induced LTB<sub>4</sub> and beta-glucuronidase release, chemotactic peptide FMLP-induced chemotaxis and opsonized zymosan-triggered chemiluminescence dose-dependently in human PMNs<sup>[1]</sup>.</p> <p>GEA 3162 (0-1 mM) inhibits LTB<sub>4</sub> release from human PMNs dose-dependently<sup>[1]</sup>.</p> <p>GEA 3162 (0-1 mM) suppresses β-glucuronidase release from A23187-activated PMNs dose-dependently<sup>[1]</sup>.</p> <p>GEA 3162 (0-1 mM) is effective inhibitor of FMLP-induced chemotactic movement of human PMNs with IC<sub>50</sub> value of 6 μM<sup>[1]</sup>.</p> <p>GEA 3162 increases the cyclic GMP levels more rapidly and at lower drug concentrations<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

## REFERENCES

[1]. Moilanen E, et al. Inhibition by nitric oxide-donors of human polymorphonuclear leucocyte functions. Br J Pharmacol. 1993;109(3):852-858.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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